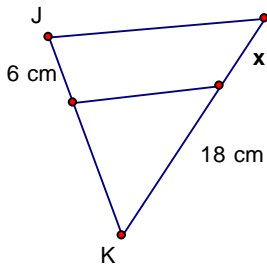


Geometry Review Quiz 1-7A

Put all answers to the multiple choice questions below. Use Capital Letters, please.

- ____ 1. What property is demonstrated by: If $x = 4$ and $x + y = 6$, then $4 + y = 6$
 A. Transitive B. Subtraction C. Substitution D. None of the above
- ____ 2. If X is the midpoint of \overline{CN} and $CN = 10n - 2$, what is CX ?
 A. $5n - 1$ B. $20n - 4$ C. $20n - 1$ D. None of the above
- ____ 3. What equation would be perpendicular to $y = 2x + 5$
 A. $y = -2x + 5$ B. $y = \frac{1}{2}x + 2$ C. $y = -\frac{1}{2}x + 3$ D. None of the above
- ____ 4. Which of the following cannot be used to prove congruency?
 A. ASA B. SSS C. AAS D. AAA
- ____ 5. What is the equation in slope intercept form that goes through (1, 4) and (3, 10).
 A. $y = 3x + 1$ B. $y = 3x - 10$ C. $y = -3x + 10$ D. $y = -3x - 10$
- ____ 6. In $\triangle ABC$, $\angle A = 3n$, $\angle B = 5n - 30$, $\angle C = 2n + 10$. What is the measurement of $\angle A$?
 A. 20° B. 40° C. 60° D. 80°
- ____ 7. If $\triangle ABC$ is an isosceles triangle with $AC = BC$ and $\angle A = 40^\circ$, what is $\angle B$?
 A. 40° B. 70° C. 80° D. None of the above
- ____ 8. If $\triangle RST \cong \triangle HIJ$, $\angle R = 97^\circ$, $\angle J = 37^\circ$, and $\angle S = 4x + 14$, what is the value of x?
 A. 10 B. 32 C. 46 D. 8
- ____ 9. If $\triangle ABC \cong \triangle XYZ$, which of the following must be true?
 A. $\angle A = \angle Z$ B. $AC = XY$ C. $XZ = BC$ D. None of the above
- ____ 10. What is the value of x below if $JK = 20$?



- A. 4.7 B. 7.7 C. 9.7 D. None of the above